

## JOSEPH COOPER'S PAPERS ON INSECTS

During the early days many observations upon injurious insects were made by farmers. One of these observers in New Jersey was Joseph Cooper who had a farm at Cooper's Point, Gloucester County, N. J. A keen observer, an experimenter with various farm crops, a practitioner of plant selection, a member of the Philadelphia Society for the Promotion of Agriculture, Mr. Cooper's agricultural papers appeared in the publications of the "Philadelphia Society for the Promotion of Agriculture", the "Burlington Society for the Promotion of Agriculture and Domestic Manufactures" (N.J.), "The Burlington Advertiser" (N.J.), "The Rural Visitor" (Burlington, N.J.), "Bickerstaff's Boston Almanack, or the Federal Calendar for 1876", etc. One of his entomological papers was upon the peach borer. This was entitled "On the nature of the worm so prejudicial to the peach tree for some years past and a method for preventing the damage in future, in a letter . . . to Mr. Clifford." This was read July 19, and is referred to in the Proceedings of the American Philosophical Society, vol. 22, Appendix, p. 65, 1771 as ordered to be published in the "Pennsylvania Gazette" and "Pennsylvania Journal", both weekly newspapers.

Another insect paper by Mr. Cooper appeared, more than two years after being written, in the "Papers of the Massachusetts Society for Promoting Agriculture" (1799, pp. 26-28). This was a "Letter from Mr. Joseph Cooper to William Russell, Esq., on the Hessian Fly and the Early White Wheat", written from Cooper's Point, New Jersey, December 30, 1796. Mr. Cooper mentions his observations on the injury to wheat in his neighborhood by the Hessian fly and recommended late sowing and the planting of "white wheat."

—H. B. WEISS.